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(12) **United States Patent**
Gourlay

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(54) **FLUID PROCESSING DEVICE**

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See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 498 days.

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(57) **ABSTRACT**

(51) **Int. Cl.**

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(52) **U.S. Cl.**

CPC **A61M 1/3472** (2013.01); **A61M 1/3475** (2014.02); **A61M 1/3679** (2013.01)

The present invention relates to a system, apparatus, and method for separating components of a fluid, e.g. blood, which eliminates the need for expensive hardware and produces a stabilized waste product. The system comprises an apparatus or device (V) for separating components of a fluid (15') comprising a container (5') having at least one separation or filtration member (10') capable of selectively separating or filtering at least one component from the fluid, and a superabsorbent material (20') capable of absorbing the at least one component separated from the fluid, and thereby providing a processed fluid free or substantially free of said at least one component; and agitation means.

(58) **Field of Classification Search**

CPC . A61M 1/3472; A61M 1/3475; A61M 1/3679

21 Claims, 4 Drawing Sheets

